




**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING


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November 4, 1998

To: File

Thru: Joe Helfrich, Permit Supervisor 

From: Stephen J. Demczak, Reclamation Specialist 

Re: Updated Maps, Genwal Resources, Crandall Canyon Mine, ACT/015/032-98E, Folder #2, Emery County, Utah

**SUMMARY:**

Proposed changes to Crandall Canyon mine were received on November 5, 1998 at the PFO. This amendment is to install two road culverts within the road to insure treatment of all runoff by using the existing sediment pond. There are also updated pages for chapter 1. The permittee has supplied the Division an updated hydrology and surface facilities map(s).

The information found in the proposal is considered adequate to meet the requirements of the R645 Coal Rules.

**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**MAPS, PLANS, CROSS SECTION**

Regulatory Reference: R645-301-512.120, R-645-521.165

Analysis:

**Mining Facilities Maps**

The permittee has submitted an updated surface facility map showing updated surface facilities. This map was certified by a professional Engineer.



Updated Maps  
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**Findings:**

Surface facilities map has been submitted in the proposed amendment. This section of the amendment is considered adequate. The Mining and Hydrology Maps were field inspected and verified on November 10, 1998.

**RECOMMENDATION:**

The amendment is recommended for approval as it pertains to the engineering section of the amendment.

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